

Yucca Mountain Final EIS/ Nevada Transportation



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April 2002

Final Environmental Impact Statement

- **February 14 - Final EIS accompanied Secretary's recommendation to President**
- **February 15 - Final EIS posted on web site (www.ymp.gov)**
- **For questions about transportation, contact:**
Robin Sweeney - YMP Transportation Lead, (702) 794-1417
- **For questions about the YMP EIS, contact:**
Jane Summerson - NEPA Compliance Officer, (702) 794-1493

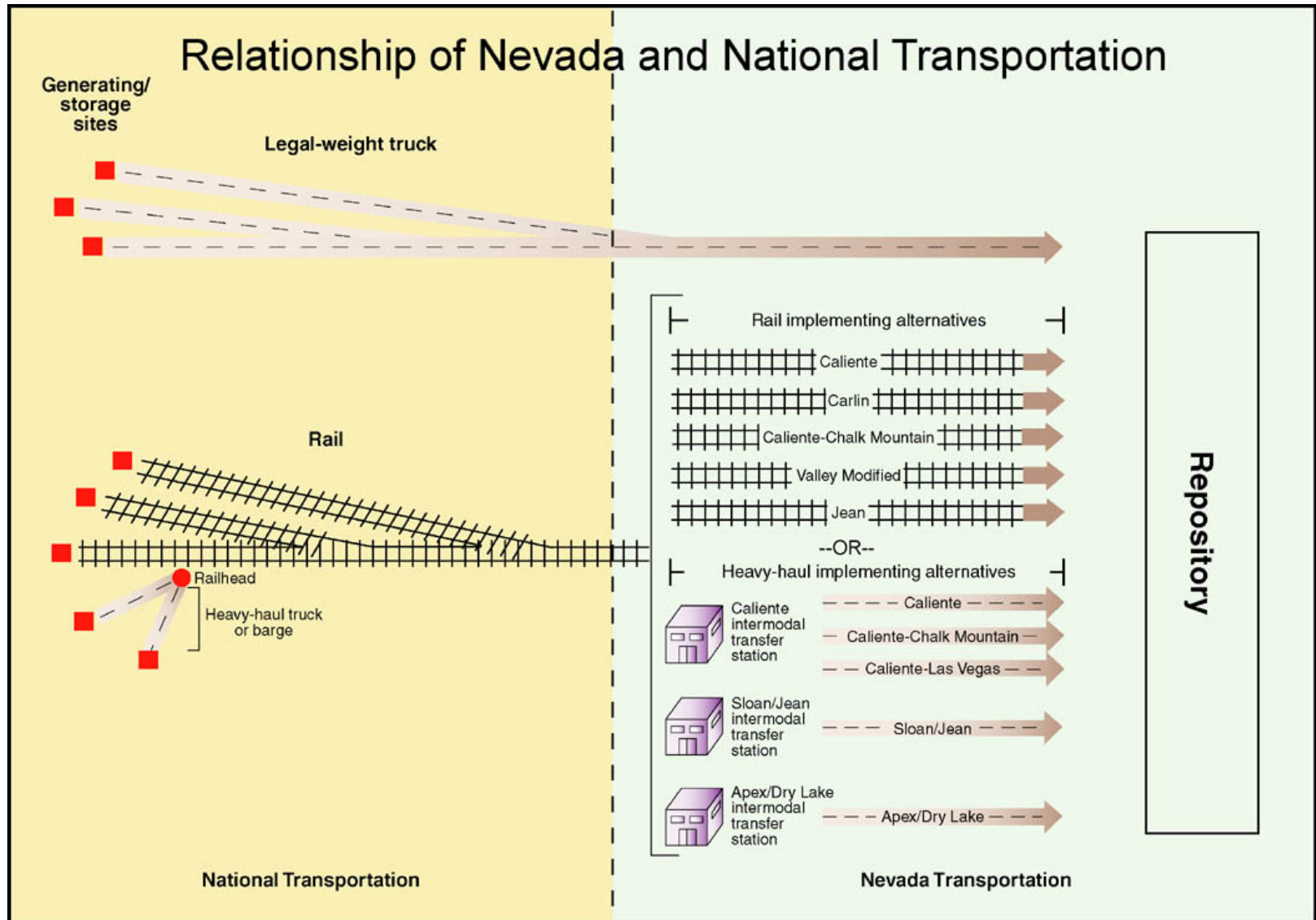
Environmental Impact Statement

Office of Civilian Radioactive Waste Management

- **In addition to analyzing potential repository impacts, EIS analyzes impacts of transporting SNF and HLW from 77 sites to Yucca Mountain**
- **EIS provides the analyses necessary to select:**
 - Transportation scenarios nationally and in Nevada
 - A rail corridor or intermodal transfer facility location and heavy-haul route in Nevada

Transportation Scenarios

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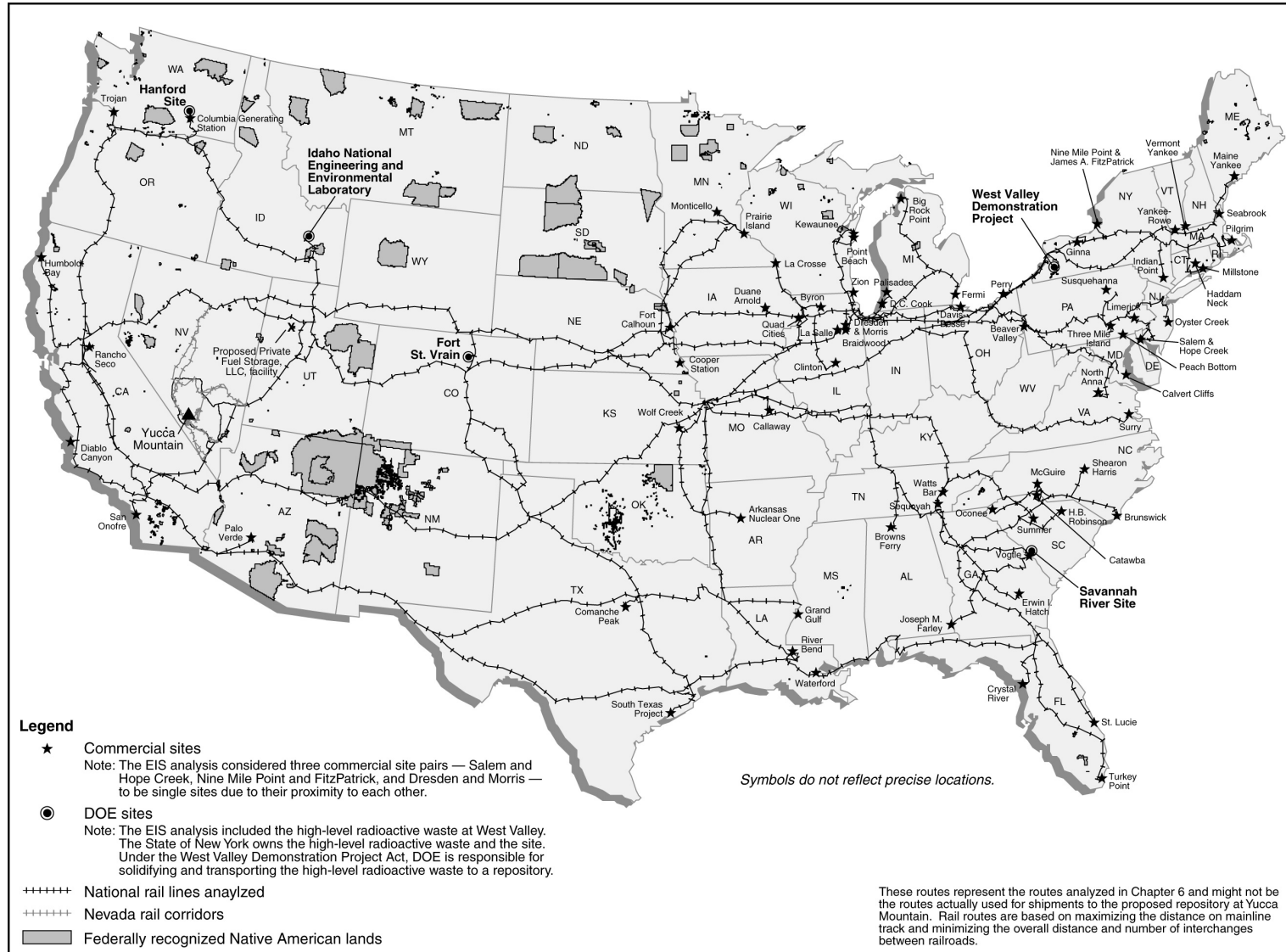
Summary of Transportation Impacts

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Impacts (24 years)	Mostly Rail		Mostly Truck	
Maximum Number of Shipments	10,725		53,086	
	1,079 truck	9,646 rail	52,786 truck	300 rail
Traffic Fatalities	3		5	
Incident-free LCFs	1 public	3 worker	3 public	12 worker
Accident LCFs (public)	.00045		.00023	
Maximum Reasonably Foreseeable Accident LCFs	5	2.8×10^{-7} <i>probability</i>	.55	2.3×10^{-7} <i>probability</i>

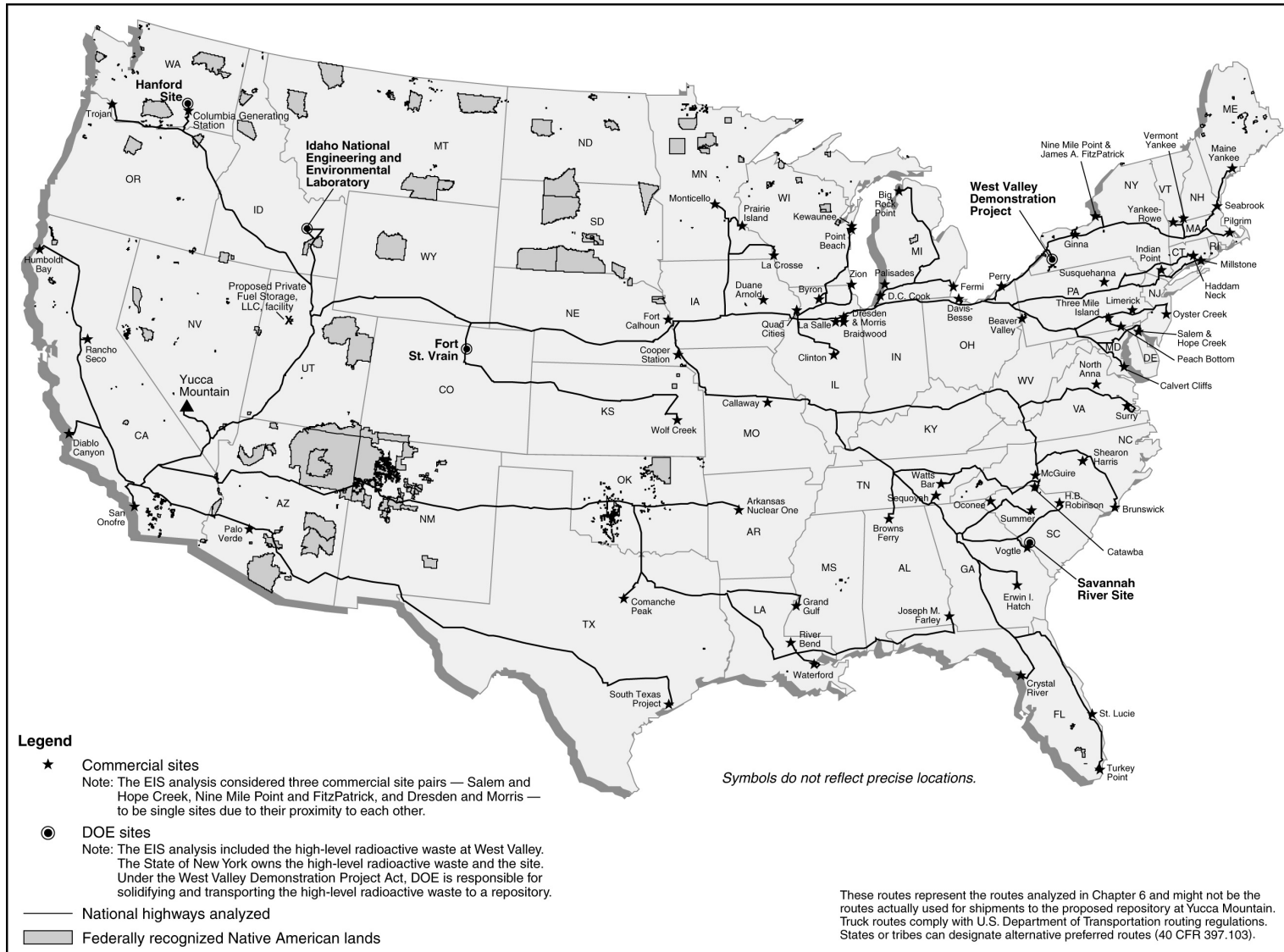
Rail Routes Analyzed in Final EIS

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Truck Routes Analyzed in Final EIS

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Transportation Preferences

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- **Final EIS states a preference for rail both nationally and in Nevada**
 - Estimate 90% shipments by rail, 10% truck
- **Preference based on:**
 - Public input
 - Smaller number of shipments
 - Correspondingly reduced environmental impacts
- **Corridor preference has not been identified in Nevada**

Final EIS Transportation Conclusions

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■ **Conclusions**

- Small, short-term impacts due to transportation, associated with nonradiological traffic accidents and potential rail line construction in Nevada
- Because larger number of smaller shipments, mostly truck scenario has greater incident-free radiological impacts (latent cancer fatalities)
- No impacts that would be basis for not transporting material

■ **Conclusion of low impacts to public consistent with previous DOE and NRC EISs**

Near-Term Transportation Activities

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- **Should the site be approved**
 - Issue Record of Decision for mode (both nationally and in Nevada)
- **Assuming mostly rail is selected:**
 - Announce preferred corridor in consultation with affected stakeholders
 - Issue Record of Decision for corridor selection in Nevada
 - Initiate NEPA documentation to choose specific alignment within selected Nevada corridor